[0017] According to one embodiment, the transmission from the communication device is an uplink transmission to an access node serving the communication device, and wherein the provisional decision made at the communication device is made at least partly on the basis of one or more of the following: the current status of the transmission buffer at the communication device; an estimate of the pathloss for the link between the communication device and the access node serving the communication device; channel state information for the link between the communication device and the access node serving the communication device; interference conditions in the cell serving the communication device; and information about the interference conditions and/or scheduling in one or more cells neighbouring the cell serving the communication device.

[0018] According to one embodiment, one or more of said estimate of the pathloss for the link between the communication device and the access node serving the communication device; and said channel state information for the link between the communication device and the access node serving the communication device, is derived from measurements at said communication device of transmissions made by the access node serving the communication device.

[0019] There is also provided an apparatus comprising: a processor and memory including computer program code, wherein the memory and computer program code are configured to, with the processor, cause the apparatus to: make at a communication device a provisional decision about one or more transmission parameters for a transmission from said communication device to an access network or another communication device via radio resources managed by an access network; communicate said provisional decision to said access network or said another communication device; and receive from said access network or said another communication device an indication of a final decision about the transmission parameters for said transmission from said communication device to said access network or another communication device.

[0020] According to one embodiment, the memory and computer program code are further configured to, with the processor, cause the apparatus to: detect interference information transmitted by said access network or said another communication device about interference at the receiver for said transmission from said communication device; and wherein making said provisional decision is based partly on said interference information transmitted by said access network or said another communication device.

[0021] According to one embodiment, said receiver for said transmission from said communication device comprises an array of receiving antennas; and said interference information includes information about interference at each of said receiving antennas or group of antennas.

[0022] According to one embodiment, said transmission from said communication device is to another communication device, and the memory and computer program code are further configured to, with the processor, cause the apparatus to: detect interference information transmitted by said another communication device about interference at the receiver for said transmission; and making said provisional decision is based partly on said interference information transmitted by said another communication device.

[0023] According to one embodiment, said indication of a final decision about the transmission parameters for said transmission from said communication device to said access network or another communication device comprises an indication of the difference between said provisional decision and said final decision.

[0024] According to one embodiment, the memory and computer program code are further configured to, with the processor, cause the apparatus to: also send to said access network or another communication device information that facilitates a resolution at said access network or another communication device of a conflict between said provisional decision received from said communication device and one or more other provisional decisions received at said access network or another communication device from one or more other communication devices, or another scheduling decision made by said access network or another communication device.

[0025] According to one embodiment, the transmission from said communication device is an uplink transmission to said access network; and the memory and computer program code are further configured to, with the processor, cause the apparatus to: determine at said communication device which network cell exhibits the best radio link with said communication device, and use said network cell for communicating said provisional decision to said access network.

[0026] There is also hereby provided an apparatus comprising: a processor and memory including computer program code, wherein the memory and computer program code are configured to, with the processor, cause the apparatus to: receive from a communication device at an access network or another communication device a communication about a provisional decision made at said communication device about one or more transmission parameters for a transmission from said communication device to said access network or another communication device via radio resources managed by the access network; determine to what extent said initial scheduling decision can be accepted by the access network or another communication device; and transmit to said communication device an indication of a final decision about the transmission parameters for said transmission from said communication device to said access network or another communication device.

[0027] According to one embodiment, the memory and computer program code are further configured to, with the processor, cause the apparatus to: transmit from said access network or another communication device interference information about interference at the receiver for said transmission from said communication device, which interference information is of use by said communication device when making said provisional decision.

[0028] According to one embodiment, said receiver for said transmission from said communication device comprises an array of receiving antennas; and said interference information includes information about interference at each of said receiving antennas or group of antennas.

[0029] According to one embodiment, said indication of a final decision about the transmission parameters for said transmission from said communication device to said access network or another communication device comprises an indication of the difference between said provisional decision and said final decision.

[0030] According to one embodiment, the memory and computer program code are further configured to, with the processor, cause the apparatus to: receive at said access network or another communication device from said communication device information that facilitates a resolution at said